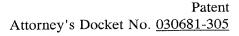
EE EE	1	N THE UNITED STATES PAI	ENT AND TRADEMARK OFFICE
In re F	atent Ap	oplication of	)
Jin-ho	LEE et	al.	Group Art Unit: 2834
Applic	ation No	0: 09/873,382	Examiner: K. I. Tamai
Filed:	June 5,	2001	Confirmation No.: 4610
For:			CLOSURE STATEMENT TAL LETTER
			CLOSURE STATEMENT TAL LETTER  E
		missioner for Patents o.C. 20231	
Sir:			
above-		ed is an Information Disclosure S d patent application.	Statement and accompanying form PTO-1449 for the
	[x]	No additional fee for submission	n of an IDS is required.
	[]	The fee of \$180.00 (1806) as se	et forth in 37 C.F.R. § 1.17(p) is also enclosed.
	[]	A statement under 37 C.F.R. §	1.97(e) is also enclosed.
	[ ]	A statement under 37 C.F.R. § in 37 C.F.R. § 1.17(p) are also	1.97(e), and the fee of \$180.00 (1806) as set forth enclosed.
	[]	Charge \$to Depo	osit Account No. 02-4800 for the fee due.
	[]	A check in the amount of \$	is enclosed for the fee due.
	6, 1.17 a		to charge any appropriate fees under 37 C.F.R. this paper, and to credit any overpayment, to abmitted in duplicate.
			Respectfully submitted,
Alexar	30x 1404 1dria, Vi 336-6620	rginia 22313-1404	BURNS, DOANE, SWECKER & MATHIS, L.L.P.  By:  Charles F. Wigland III  Registration No. 33,096
, ,		16 2003	g





## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of	)
Jin-ho LEE et al.	) Group Art Unit: 2834
Application No.: 09/873,382	) Examiner: K. I. Tamai
Filed: June 5, 2001	) Confirmation No.: 4610
For: MICRO-ACTUATOR AND MANUFACTURING METHOD	) ) )
THEREOF	)

### SECOND INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

I, the undersigned, hereby state that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.

This Information Disclosure Statement contains information which is not in the English language but was cited in a search report or other action by a foreign patent office in a counterpart foreign application. In accordance with M.P.E.P. § 609A(3) an English language version of the search report or action which indicates the degree of relevance found by the foreign office is being submitted herewith.

Information Disclosure Statement Application No. <u>09/873,382</u> Attorney's Docket No. <u>030681-305</u> Page 2

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner-initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date: January 16, 2003

Charles F. Wieland Wi Registration No. 33,096

P.O. Box 1404 Alexandria, Virginia 22313-1404 (703) 836-6620

SHEET 1 OF
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APPLICATION NO.

Substitute for forms 1449A/PTO & 1449B/PTO

SECOND INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

ATTORNEY'S DKT NO.

			U.S. PATENT DOCUMENTS		
Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or A of Cited Docume	Applicant	ue/Publicatio Date M-DD-YYYY
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Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Translation Yes N
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	5-302182		Japan	11-16-1993	abs
	197 44 292		Germany	04-23-1998	
	101 77 202				

	NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
	P.F. INDERMUEHLE et al.; Design and Fabrication of an Overhanging xy-microactuator with Integrated Tip for Scanning Surface Profiling; May 1, 1994; pages 346-350; Vol. A43, No. 1/3; Sensors and Actuators A, Elsevier Sequoia S.A., Lausanne, Switzerland					

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EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. **SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.



Europäisches Patentamt

Zweigstelle in Den Haag Recherchenabteilung European Patent Office

Branch at The Hague Search Office européen des brevets

Département à La Hayé Division de la

Greene, Simon Kenneth Elkington and Fife, Prospect House, 8 Pembroke Road Sevenoaks, Kent TN13 1XR GRANDE BRETAGNE

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27 NOV 2002

E. & F. SEVENOAKS

COPIED FOR COMPUTER

Datum/Date 27.11.02

Zeichen/Ref./Réf.

SKG/G17084EP

Anmeldung Nr./Application No./Demande n°./Palent Nr./Palent No./Brevet n°.

01305088.5-1524-

Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire SAMSUNG ELECTRONICS CO., LTD.

# COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

X abstract

X title

The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract:

1

# REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





# **EUROPEAN SEARCH REPORT**

Application Number EP 01 30 5088

	DOCUMENTS CONSID	DERED TO BE RELEVANT	9	
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	The present search report has	been drawn up for all claims		
	Place of search	Date of completion of the search		Examiner
	BERLIN	14 November 2002	Pol	esello, P
X : partion Y : partion document A : techn	ATEGORY OF CITED DOCUMENTS cularly relevant if taken alone cularly relevant if combined with ano ment of the same category nological background -written disclosure	E : earlier patent do after the filing da	ocument, but publi ate in the application for other reasons	shed on, or



# **EUROPEAN SEARCH REPORT**

Application Number EP 01 30 5088

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	* *	November 2002	Polo	Examiner esello, P
			<del>L</del>	
	ATEGORY OF CITED DOCUMENTS	T: theory or principle E: earlier patent doc	ument, but publis	
Y: partic	cularly relevant if taken alone cularly relevant if combined with another ment of the same category	after the filing date D: document cited in L: document cited fo	the application	
A:techr	nological background			
	written disclosure nediate document	& : member of the sa document	me patent ramily,	- corresponding

## ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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